CRF Errors Corrected by the S[illegible]C Systems Branch

Serial Number: 09/726,643 ENTERED

CRF Processing Date: 12/18/2000
Edited by:
Verified by: _____ (STIC staff

OIPE DEC 22 2000 PATENT & TRADEMARK OFFICE

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line. #3

☐ Edited a format error in the Current Application Data section, specifically:

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

SEARCHED SERIALIZED INDEXED

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____

_____

_____

_____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING DATE: 12/28/2000
PATENT APPLICATION: US/09/726,643 TIME: 12:25:16

Input Set : A:\Pto.amc
Output Set: N:\CRF3\12282000\I726643.raw

```
      2 <110> APPLICANT: Ruben et al.
      4 <120> TITLE OF INVENTION: 26 Human secreted proteins
      6 <130> FILE REFERENCE: PZ040P1
C-->  8 <140> CURRENT APPLICATION NUMBER: US/09/726,643
      9 <141> CURRENT FILING DATE: 2000-12-01
     11 <150> PRIOR APPLICATION NUMBER: PCT/US00/15187
     12 <151> PRIOR FILING DATE: 2000-06-02
     14 <150> PRIOR APPLICATION NUMBER: 60/137,725
     15 <151> PRIOR FILING DATE: 1999-06-07
     17 <160> NUMBER OF SEQ ID NOS: 190
     19 <170> SOFTWARE: PatentIn Ver. 2.0
     22 <210> SEQ ID NO: 1
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     24 <212> TYPE: DNA
     25 <213> ORGANISM: Homo sapiens
     27 <400> SEQUENCE: 1
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     29 aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga     120
     30 tctcccggac cctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg     180
     31 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg     240
     32 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact     300
     33 ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg     360
     34 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc     420
     35 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct     480
     36 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga     540
     37 ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg     600
     38 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc     660
     39 acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc     720
     40 gactctagag gat                                                      733
     43 <210> SEQ ID NO: 2
     44 <211> LENGTH: 5
     45 <212> TYPE: PRT
     46 <213> ORGANISM: Homo sapiens
     48 <220> FEATURE:
     49 <221> NAME/KEY: Site
     50 <222> LOCATION: (3)
     51 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally ocurring L-amino acids
     53 <400> SEQUENCE: 2
W--> 54 Trp Ser Xaa Trp Ser
     55   1               5
     57 <210> SEQ ID NO: 3
     58 <211> LENGTH: 86
     59 <212> TYPE: DNA
     60 <213> ORGANISM: Artificial Sequence
W--> 61 <220> FEATURE:
     62 <221> NAME/KEY: Primer_Bind
     63 <223> OTHER INFORMATION: Synthetic sequence with 4 tandem copies of the GAS binding site found in
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RAW SEQUENCE LISTING DATE: 12/28/2000
PATENT APPLICATION: US/09/726,643 TIME: 12:25:16

Input Set : A:\Pto.amc
Output Set: N:\CRF3\12282000\I726643.raw

the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> SEQUENCE: 3
gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
cccgaaatat ctgccatctc aattag 86

<210> SEQ ID NO: 4
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
W--> <220> FEATURE:
<221> NAME/KEY: Primer_Bind
<223> OTHER INFORMATION: Synthetic sequence complementary to the SV40 promter; includes a Hind III restriction site.
<400> SEQUENCE: 4
gcggcaagct ttttgcaaag cctaggc 27

<210> SEQ ID NO: 5
<211> LENGTH: 271
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
W--> <220> FEATURE:
<221> NAME/KEY: Protein_Bind
<223> OTHER INFORMATION: Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1.457-468 (1994)).
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aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

<210> SEQ ID NO: 6
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.
<400> SEQUENCE: 6
gcgctcgagg gatgacagcg atagaacccc gg 32

<210> SEQ ID NO: 7
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
W--> <220> FEATURE:
<221> NAME/KEY: Primer_Bind
<223> OTHER INFORMATION: Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction site.
<400> SEQUENCE: 7

RAW SEQUENCE LISTING DATE: 12/28/2000
PATENT APPLICATION: US/09/726,643 TIME: 12:25:16

Input Set : A:\Pto.amc
Output Set: N:\CRF3\12282000\I726643.raw

125 gcgaagcttc gcgactcccc ggatccgcct c 31
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 12
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 8
134 ggggactttc cc 12
137 <210> SEQ ID NO: 9
138 <211> LENGTH: 73
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
W--> 141 <220> FEATURE:
142 <221> NAME/KEY: Primer_Bind
143 <223> OTHER INFORMATION: Synthetic primer with 4 tandem copies of the NF-KB binding site
144 (GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early
145 promoter sequence, and a XhoI restriction site.
147 <400> SEQUENCE: 9
148 gcggcctcga ggggactttc ccggggactt tccgggact ttccatcctg 60
149 ccatctcaat tag 73
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 256
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
W--> 156 <220> FEATURE:
157 <221> NAME/KEY: Protein_Bind
158 <223> OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-KB binding
159 sites.
161 <400> SEQUENCE: 10
162 ctcgaggggg ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
163 caattagtca gcaaccatag tcccgccccc aactccgccc atcccgcccc taactccgcc 120
164 cagttccgcc catttcccgc cccatggctg actaattttt tttatttatg cagaggccga 180
165 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
166 cttttgcaaa aagctt 256
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 2318
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 11
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176 aaggccagtg cccagcttga aggttctgtc accttttgca gtggtccaaa tgaqaaaaaa 120
177 gtggaaaatg ggaggcatga aatacatctt ttcgttgttg ttctttcttt tgctagaagg 180
178 aggcaaaaca gagcaagtaa aacattcaga gacatattgc atgtttcaag acaagaagta 240
179 cagaqtgggt gaqagatggc atccttacct ggaaccttat qggttggttt actgcgtgaa 300
180 ctgcatctgc tcagagaatg ggaatgtgct ttgcagccga gtcagatgtc caaatgttca 360
181 ttgccttttt cctgtgcata ttcctcatct gtgctgccct cgctgcccag aagactcctt 420
182 accccaqtg aacaataagg tgaccagcaa gtcttgcgag tacaatgqga caacttacca 480
183 acatggagag ctgttcgtag ctgaagggct ctttcagaat cggcaaccca atcaatgcac 540
184 ccagtgcagc tgttcggagg gaaacgtgta ttgtggtctc aagacttgcc ccaaattaac 600
185 ctgtgccttc ccagtctctg ttccagattc ctgctgccgg gtatgcagag gagatggaga 660

RAW SEQUENCE LISTING DATE: 12/28/2000
PATENT APPLICATION: US/09/726,643 TIME: 12:25:16

Input Set : A:\Pto.amc
Output Set: N:\CRF3\12282000\I726643.raw

186 actgtcatgg gaacattctg atggtgatat cttccggcaa cctgccaaca gagaagcaag 720
187 acattcttac caccgctctc actatgatcc tccaccaagc cgacaggctg gaggtctgtc 780
188 ccgctttcct gggccagaa gtcaccgggg agctcttatg gattcccagc aagcatcagg 840
189 aaccattgtg caaattgtca tcaataacaa acacaagcat ggacaagtgt gtgtttccaa 900
190 tggaaagacc tattctcatg gcgagtcctg gcacccaaac ctccgggcat ttggcattgt 960
191 ggagtgtgtg ctatgtactt gtaatgtcac caagcaagag tgtaagaaaa tccactgccc 1020
192 caatcgatac ccctgcaagt atcctcaaaa aatagacgga aaatgctgca aggtgtgtcc 1080
193 agaagaactt ccaggccaaa gctttgacaa taaaggctac ttctgcgggg aagaaacgat 1140
194 gcctgtgtat gagtctgtat tcatggagga tggggagaca accagaaaaa tagcactgga 1200
195 gactgagaga ccacctcagg tagaggtcca cgtttggact attcgaaagg gcattctcca 1260
196 gcacttccat attgagaaga tctccaagag gatgtttgag gagcttcctc acttcaagct 1320
197 ggtgaccaga acaaccctga gccagtggaa gatcttcacc gaaggagaag ctcagatcag 1380
198 ccagatgtgt tcaagtcgtg tatgcagaac agagcttgaa gatttagtca aggttttgta 1440
199 cctggagaga tctgaaaagg gccactgtta ggcaagacag acagtattgg atagggtaaa 1500
200 gcaagaaaac tcaagctgca gctggactgc aggcttattt tgcttaagtc aacagtgccc 1560
201 taaaactcca aactcaaatg cagtcaatta ttcacgccat gcacagcata atttgctcct 1620
202 ttgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtggtaaa ggggggaagg tgttatgcgg 1680
203 ctgctcctc cgtccagag gtggcagtga ttccataatg tggagactag taactagatc 1740
204 ctaaggcaaa gaggtgtttc tccttctgga tgattcatcc caaagccttc ccacccaggt 1800
205 gttctctgaa agcttagcct taagagaaca cgcagagagt ttccctagat atactcctgc 1860
206 ctccaggtgc tgggacacac ctttgcaaaa tgctgtggga agcaggagct ggggagctgt 1920
207 gttaagtcaa agtagaaacc ctccagtgtt tggtgttgtg tagagaatag gacatagggt 1980
208 aaagaggcca agctgcctgt agttagtaga gaagaatgga tgtggttctt cttgtgtatt 2040
209 tatttgtatc ataaacactt ggaacaacaa agaccataag catcatttag cagttgtagc 2100
210 catttttctag ttaactcatg taaacaagta agagtaacat aacagtatta ccctttcact 2160
211 gttctcacag gacatgtacc taattatggt acttatttat gtagtcactg tatttctgga 2220
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213 cggcmgcgaa tttagtagta gtagtagtag tagtaggc 2318
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 1923
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 12
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224 tgacgggccc aacagaccca tgctgcatcc agagacctcc cctggccggg ggcatctcct 180
225 ggctgtgctc ctggccctcc ttggcaccgc ctgggcagag gtgtggccac cccagctgca 240
226 ggagcaggct ccgatggccg gagccctgaa cagggaggag agtttcttgc tcctctccct 300
227 gcacaaccgc ctgccgcagct gggtccagcc ccctgcggct gacatgcgga ggctggactg 360
228 gagtgacagc ctggccccac tggctcaagc cagggcagcc ctctgtggaa tcccaacccc 420
229 gagcctggcg tccggcctgt ggccgcaccc gcaagtgggc tggaacatgc agctgctgcc 480
230 cgcgggcttg gcgtcctttg ttgaagtggt cagcctatgg tttgcagagg ggcagcggta 540
231 cagccacgcg gcaggagagt gtgctcgcaa cgccacctgc acccactaca cgcagctcgt 600
232 gtgggccacc tcaagccagc tgggctgtgg gcggcacctg tgctctgcag gccaggcagc 660
233 gatagaagcc tttgtctgtg cctactcccc cggaggcaac tgggagatca acggggaagac 720
234 aatcatcccc tataagaagg gtgcctggtg ttcgctctgc acagccagtg tctcaggctg 780
235 cttcaaagcc tgggaccatg caggggggct ctgtgaggtc cccaggaatc cttgtcgcat 840
236 gagctgccag aaccatggac gtctcaacat cagcacctgc cactgccact gtcccctgg 900
237 ctacacgggc agatactgcc aagtgaggtg cagcctgcag tgtgtgcacg gccggttccg 960

RAW SEQUENCE LISTING DATE: 12/28/2000
PATENT APPLICATION: US/09/726,643 TIME: 12:25:16

Input Set : A:\Pto.amc
Output Set: N:\CRF3\12282000\I726643.raw

238 ggaggaggag tgctcgtgcg tctgtgacat cggctacggg ggagcccagt gtgccaccaa 1020
239 ggtgcatttt cccttccaca cctgtgacct gaggatcgac ggagactgct tcatggtgtc 1080
240 ttcagaggca gacacctatt acagagccag gatgaaatgt cagaggaaag gcggggtgct 1140
241 ggcccagatc aagagccaga aagtgcagga catcctcgcc ttctatctgg gccgcctgga 1200
242 gaccaccaac gaggtgattg acagtgactt cgagaccagg aacttctgga tcgggctcac 1260
243 ctacaagacc gccaaggact ccttccgctg ggccacaggg gagcaccagg ccttcaccag 1320
244 ttttgccttt gggcagcctg acaaccacgg gtttggcaac tgcgtggagc tgcaggcttc 1380
245 agctgccttc aactggaaca accagcgctg caaaacccga aaccgttaca tctgccagtt 1440
246 tgcccaggag cacatctccc ggtggggccc aggctcttga ggcctgacca catggctccc 1500
247 tcgcctgccc tgggagcacc ggctctgctt acctgtccgc ccacctgtct ggaacaaggg 1560
248 ccaggttaag accacatgcc tcatgtccaa agaggtctca gaccttgcac aatgccagaa 1620
249 gttgggcaga gagaggcagg gaggccagtg agggccaggg agtgagtgtt agaagaaggt 1680
250 ggggcccttc gcctgctttt gattgggaag atgggcttca attagatggc gaaggagagg 1740
251 acaccgccag tggtccaaaa aggctgctct cttccacctg gcccagaccc tgtggggcag 1800
252 cggagcttcc ctgtggcatg aaccccacag ggtatttaaat tatgaatcag ctgaaaaaaa 1860
253 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
254 aaa 1923
257 <210> SEQ ID NO: 13
258 <211> LENGTH: 4720
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 13
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265 ctgctggctc ccctgctggg cctgaggctg gggctggccc tgagtcagct ggctgcaggg 180
266 gccacagact gcaagttcct tggcccggca gagcacctga catccacccc agcagccagg 240
267 gcrcggtggc tggccccrcg agttcgtgcg ccaggacrcc tggactcccr ctatggcacc 300
268 gtgcgccgct tcctctcggt ggtgcagctc aatcctttcc cttcagagtt ggtaaaggcc 360
269 ctactgaatg agctggcctc cgtgaaggtg aatgaggtag tgcggtacga ggcgggctac 420
270 gtggtatgcg ctgtgatgcc ggggcctctac ctgctgctgg tgcccactgc cgggctttgc 480
271 ttctgctgct gccgctgcca ccggcgctgc ggggacgag tgaagacaga gcacaaggcg 540
272 ctggcctgtg agcgcgcggc cctcatggtc ttcctgctgc tgaccacccc cttgctgctg 600
273 attggtgtgg tctgtgcctt tgtcaccaac cagcgcacgc atgaacagat gggcccccagc 660
274 atcgaggcca tgcctgagac cctgctcagc ctctgggggc tggtctctga tgtccccaa 720
275 gagctgcagg ccgtggcaca gcaattctcc ctgccccagg agcaagtctc agaggagctg 780
276 gatggtgttg gtgtgagcat tgggagcgcg atccacactc agctcaggag ctccgtgtac 840
277 cccttgctgg cggccgtggg cagtttgggc caggtcctgc aggtctccgt gcaccacctg 900
278 caaaccttga atgctacagt ggtagagctg caggccgggc agcaggacct ggagccagcc 960
279 atccgggaac accgggaccg cctccttgag ctgctgcagg aggccaggtg ccagggagat 1020
280 tgtgcagggg ccctgagctg ggccccgcac ctgagctgag gtgctgactt cagccaggtg 1080
281 ccctctgtgg accatgtcct gcaccagcta aaaggtgtcc ccgaggccaa cttctccagc 1140
282 atggtccagg aggagaacag caccttcaac gccccttccag ccctggctgc catgcagaca 1200
283 tccagcgtgg tgcaagagct gaagaaggca gtggccgagc agccggaagg ggtgaggaca 1260
284 ctggctgaag ggttcccggg cttggaggca gcttcccgct gggccgaggc actgcaggag 1320
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287 ctcaatctgg gcatctgggg cctgtctgcc aggqacgacc ccagccaccc agaagccaag 1500
288 ggcgaagctg gagcccgctt ccicatggca ggtgtgggcc tcagcttcct cttgctgca 1560
289 c ccttcatcc tcctggtgtt cgccacctic ctggtgggtg gcaacgtgca gacgctggtg 1620

FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/726,643

DATE: 12/28/2000
TIME: 12:25:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\12282000\I726643.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application Number
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:61 M:283 W: Missing Blank Line separator, <220> field identifier
L:76 M:283 W: Missing Blank Line separator, <220> field identifier
L:89 M:283 W: Missing Blank Line separator, <220> field identifier
L:105 M:283 W: Missing Blank Line separator, <220> field identifier
L:118 M:283 W: Missing Blank Line separator, <220> field identifier
L:141 M:283 W: Missing Blank Line separator, <220> field identifier
L:156 M:283 W: Missing Blank Line separator, <220> field identifier
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:2625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:2993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:2996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:3388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:3391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:3394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:3481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:3863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:3884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:4812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:4833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:4921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:4964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:4979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115
L:5857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151
L:5926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155
L:5958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156
L:5961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156
L:6006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:6009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158